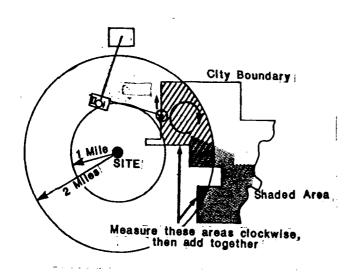
	POPULATION (Population of City (or Other Municipality) Area of City (Planimeter Reading)	CALCU	LATION	SHEE	T 5	ertion 20	of 5	printide ?
Ii	Population of City (or Other Municipality)	1,80	<u> </u>	eople	ool	Year _		by Wyoning
2	Area of City (Planimeter Reading)	50	74 <u> </u>	quare inc	thes P	us los	行 EPA RECOR	DS CENTER REGION 5
3]			.59P			11		445202
4	Average Persons per House (Census)					Year _		
	•	1/4 mile	1/2 mile	1 mile	2 mile	3 mile	4 mile	
5	Area of City Within Radius (Planimeter Reading)					4.46		
6	Population of City Within Radius [5x3]					1398.61		
7	House Count Within Radius, Outside City							
8	Population From House Count [7] x 4]							
9	Total Population Within Radius [6] +8]							,
								-

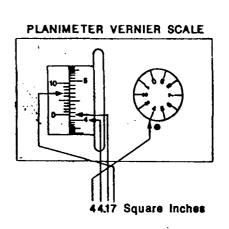


People Population of City Outside of 4 miles [[0 x 3] People

ERROR CHECK:

Area of City Outside 4 miles

Population of City [\sum 6] + 11]



_____Square Inches

Clertale, OH

2 368 - 1980 pop Cons	w
-----------------------	---

- Population of City (or Other Municipality)
- Area of City (Planimeter Reading)

11.55 _Square Inches

Population Density [1+2] 3

265.02 People per Square Inch

Average Persons per House (Census)

Year __

- [5] Area of City Within Radius (Planimeter Reading)
- 6 Population of City Within Radius [5x3]
- 7 House Count Within Radius, Outside City
- 8 Population From House Count [[7] x 4]
- [9] Total Population Within Radius [6] +8]

1/4 mile	1/2 mile	1 mile	2 mile	3 mile	4 mile
				8.83	
				18/0,33	

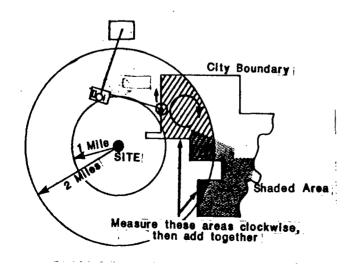
ERROR CHECK:

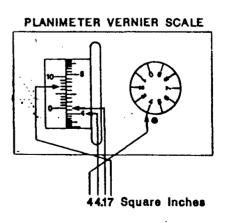
Area of City Outside 4 miles

- _____Square Inches
- People Population of City Outside of 4 miles [[0 x 3] _____ People

Population of City $[\sum 6] + [1]$

_ People =1





POPULATION CALCULATION SHEET Woring Cods.

ना`	Population	of	City	(er	Other	Munici	pality

#	1800 -	People / fc om		80
<u> </u>	286	People / / 1	Year	80

Area of City (Planimeter Reading) 2

18,44 Square Inches

Population Density [1+2] 3

449.13 People per Square Inch

4 Average Persons per House (Census)

Year ___

- [5] Area of City Within Radius (Planimeter Reading)
- 6 Population of City Within Radius [5x3]
- 7 House Count Within Radius, Outside City
- 8 Population From House Count [7 x 4]
- [9] Total Population Within Radius [6] +8]

1/4 mile	1/2 mile	1 mile	2 mile	3 mile	4 mile
				16.23	
				7, 334.29	
				7,339.24	

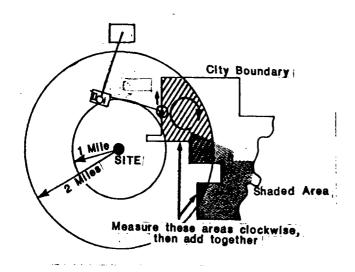
ERROR CHECK:

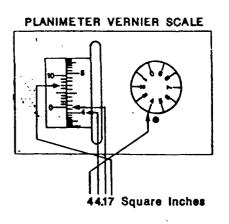
Area of City Outside 4 miles

__Square inches

Population of City Outside of 4 miles [[0] x [3] People

12 Population of City [\(\sum_{\text{6}} + \text{11} \)]





Cincinnati, OH10.

Population of City (or Other Municipality)

385,	457	_ People
		I GODIA

Year 1980

[2] Area of City (Planimeter Reading)

3 Population Density [1]+2]

703.06	_		_	
	_People	per	Square	Inch

4 Average Persons per House (Census)

Year	
------	--

32,06

22,539.95

14.95

10,510,6

- [5] Area of City Within Radius (Planimeter Reading)
- 6 Population of City Within Radius [5x3]
- 7 House Count Within Radius, Outside City
- 8 Population From House Count [[7] x 4]
- [9] Total Population Within Radius [6] +8]

ERROR CHECK:

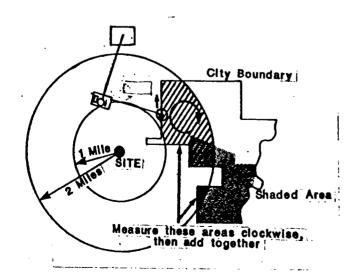
Area of City Outside 4 miles

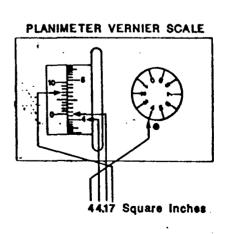
Ì			1,420.17	10,510.67	22,539.95°
•		o-2 mule O Square In	- 3 mile =	<u> </u>	~ ·
	 	yquare III	0-4	mile > 3	4,470.7

1/4 mile 1/2 mile 1 mile 2 mile 3 mile 4 mile

2.02

- People Population of City Outside of 4 miles [[x 3] People
- [2 Population of City [∑6+1]] People 1





Golf MAWOR, OH

m	Population	of	City	Cor	Other	Municipality	J
ш	ropulation	U	City	·	Othioi	mumorpant	"

4,317	People
-------	--------

Year 1980

[2] Area of City (Planimeter Reading)

4.87 Square Inches

3 Population Density [1+2]

886. 45 People per Square Inch

1/4 mile 1/2 mile 1 mile 2 mile

Average Persons per House (Census)

Year ____

3 mile 4 mile

1,099.20 3,217.81

1,099,20 3,217.81

0-4 mle : total = 4,3/7.

0-3 mle - 7

3.63

1.24

[5]	Area	of	City	Within	Radius	(Planimeter	Reading)

- 6 Population of City Within Radius [5x3]
- [7] House Count Within Radius, Outside City
- B Population From House Count [7] x 4]
- [9] Total Population Within Radius [6] +8]

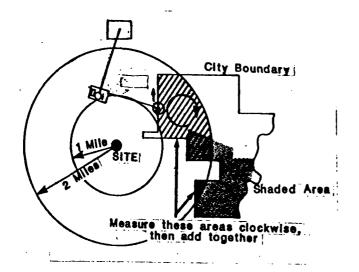
ERROR CHECK:

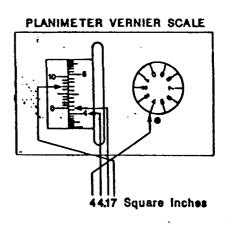
 Square	Inches

- Area of City Outside 4 miles
- Population of City Outside of 4 miles [[x 3] People

Population of City $\{\sum [6] + [1]\}$

People 🛂 🗓





AMBERLEY, OH

m	Population	οf	City	(or	Other	Municina	lity
ш	Population	U	Oily	·	Othiol	mannerpe	

Area of City (Planimeter Reading)

Population Density [1]+2]

144. 68 People per Square Inch

Average Persons per House (Census)

Year	

- [5] Area of City Within Radius (Planimeter Reading)
- 6 Population of City Within Radius [5 x 3]
- [7] House Count Within Radius, Outside City
- 8 Population From House Count [7 x 4]
- [9] Total Population Within Radius [6] +8]

ERROR CHECK:

Area of City Outside 4 mlies

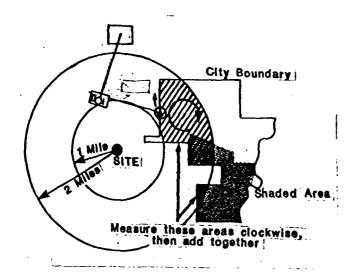
1/4 mile	1/2 mile	1 mile	2 mile	3 mile	4 mile
			8.49	1517	0.13
			1,228,33	2,19480	18,81
			1,228.33	2, 194.80	/8.8)

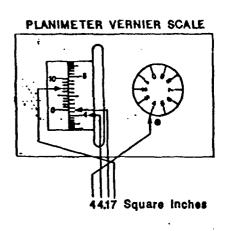
0-2 mile = 3 0-3 mile 3423,13 Square Inches 3441.94

People Population of City Outside of 4 miles [[0 x 3] People

Population of City [\(\sum_{\text{B}} + \frac{1}{1} \)]

_ People ≟[]





SILVERTON, ON

(II)	Population	of	City	(or	Other	Municipality:
-------------	------------	----	------	-----	-------	---------------

6,172	People

Year 1980

Area of City (Planimeter Reading) 2

6.71 Square Inches

Population Density [1+2] 3

919.82 People per Square Inch

Average Persons per House (Census)

Year ____

[5]	Area	of	City	Within	Radius	(Planimeter	Reading)

- 6 Population of City Within Radius [5x3]
- [7] House Count Within Radius, Outside City
- Population From House Count [7 x 4]
- [9] Total Population Within Radius [6] +8]

ERROR CHECK:

Area of City Outside 4 miles

			0.65	4.66
			597.88	4,286.33
			597.88	4, 28637
_	 	0-3 mile	,,,)

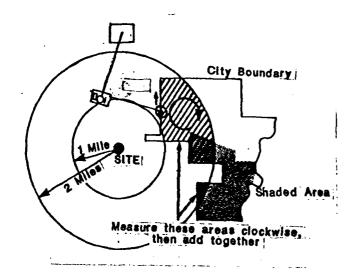
1/4 mile 1/2 mile 1 mile 2 mile 3 mile 4 mile

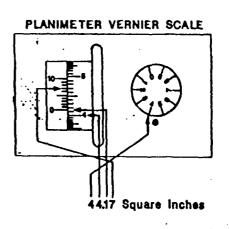
__Square Inches

0-4 mile = 4884.25

Population of City Outside of 4 miles [[] x [3]]

Population of City (\(\sum_{\text{B}} + \frac{1}{1} \)]





DEER PARK

The contraction of only to other memorpant,	Œ	Population	of	City (or Other	Municipalit	y i
---	---	------------	----	--------	----------	-------------	-----

6.	745	Pe	0	o۱	•

Year 1980

Area of City (Planimeter Reading)

5.84 _Square Inches

Population Density [1+2] 3

1,154.97 People per Square Inch

4 Average Persons per House (Census)

Year ___

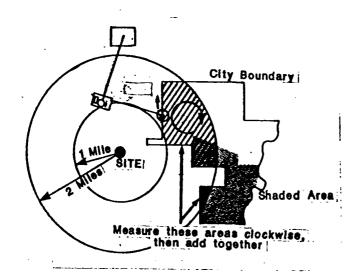
- [5] Area of City Within Radius (Planimeter Reading)
- 6 Population of City Within Radius [5 x 3]
- 7 House Count Within Radius, Outside City
- 8 Population From House Count [7] x 4]
- 9 Total Population Within Radlus [6 +8]

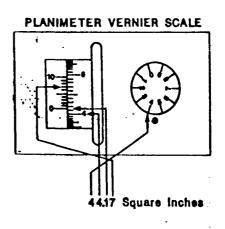
ERROR CHECK:

Area of City Outside 4 miles

1/4 mlle	1/2 mile	1 mile	2 mile	3 mile	4 mile				
				3,29	2.55				
				3 ,799.8 5	2,945,15				
			1	8	2,985.15				
0-3 mil 3									
0-3 mil ? 0-4 mil = total									

- Population of City Outside of 4 miles [[0 x 3] People
- Population of City ($\sum B + \prod$)





KENWOOD Unicorp (part of Sycalists) Year 1980 & Twestop

a	Population	~1	CITY	100	Other	Munici		
ш	Population	OI	City	(Ot	Other	MUINICE	Pality	1

9,7	28	People
' 1 '		PEOPIE

Year 1980

Area of City (Planimeter Reading)

31.07	Sauara	Inches
- 7	Square	INCHES

Population Density [11+2] 3

313.10				
	People	Der	Square	Inch
			•	

4 Average Persons per House (Census)

Year _	
--------	--

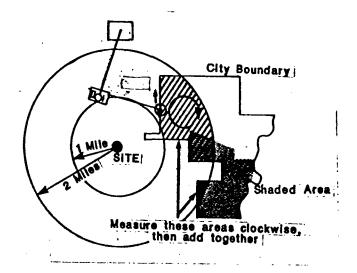
- [5] Area of City Within Radius (Planimeter Reading)
- Population of City Within Radius [5] x 3]
- [7] House Count Within Radius, Outside City
- Population From House Count [7 x 4]
- Total Population Within Radius [6]+8]

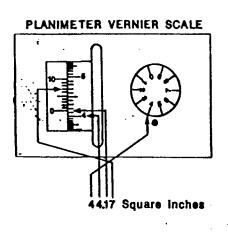
ERROR CHECK:

Area of City Outside 4 miles

1/4 mile	1/2 mile	1 mile	2 mile	3 mile	4 mile
			1.90	6.98	12.20
			594.89	2,185.43	3,819.8)
			594.89	2,185.43	3,819.81
0-2 mile 2					

- Population of City Outside of 4 miles [[] x 3] }
- Population of City $\left(\sum_{i=1}^{n} f_{i}\right)$





Blue Ash

m	Population	οf	City	(or	Other	Municipality
ш	ropulation	0,	U.,		••	uu.puy

9,506	People

Year 1980

Area of City (Planimeter Reading) 2

55.32 __Square Inches

Population Density [1]+2] 3

/71.84 People per Square Inch

Average Persons per House (Census)

- [5] Area of City Within Radius (Planimeter Reading)
- Population of City Within Radius [5 x 3]
- [7] House Count Within Radius, Outside City
- 8 Population From House Count [7] x 4]
- 9 Total Population Within Radius [6 +8]

ERROR CHECK:

Area of City Outside 4 miles

1/4 mile	1/2 mile	1 mile	2 mile	3 mile	4 mile
			6,71	14.74	20.58
			1,153.05	<i>2,5329</i> 2	3, 5 36.47
			1,153,05	<i>2,532,</i> 92	3,536.47

0-1=0

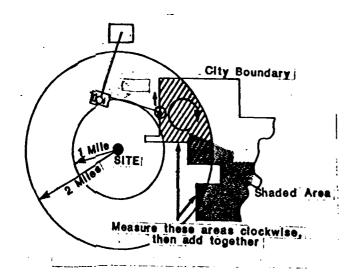
0-3 mils=3,685.97

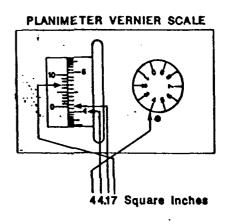
Square Inches

0-4mils=7,222.44

Population of City Outside of 4 miles [[] x [3]]

Population of City [∑6+11]





Evendale

Population of City (or Other Municipality)

95	4	People

Year _/980

[2] Area of City (Planimeter Reading)

3 Population Density [1+2]

Average Persons per House (Census)

Year	
------	--

- [5] Area of City Within Radius (Planimeter Reading)
- 6 Population of City Within Radius [5x3]
- [7] House Count Within Radius, Outside City
- 8 Population From House Count [7 x 4]
- [9] Total Population Within Radius [6] +8]

ERROR CHECK:

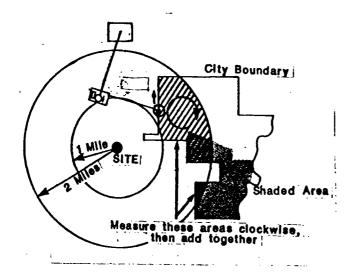
Area of City Outside 4 miles

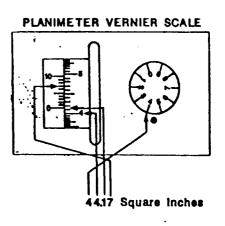
	9.39	18.05	5.62	
	554.99	1,066,84	332.17	
	554.99	1,066.84	332./7	
0-1 me	-2 mi: 1	(21.83	L9-5-47->	

1/4 mile 1/2 mile 1 mile 2 mile 3 mile 4 mile

People Population of City Outside of 4 miles [[] x 3]

[2] Population of City [\sum [6]+[1]] People $\stackrel{?}{=}$ [1]





5 havnville.
Year 1980

Population of City (or Other Municipality) 1

10,	108	People

2 Area of City (Planimeter Reading)

39,48	Square	Inches

3 Population Density [1]+2]

256.03				
	People	per	Square	Inch

1/4 mile 1/2 mile 1 mile 2 mile 3 mile

Average Persons per House (Census)

Year		_
------	--	---

16.24

4,15790

4,157.90

20,23

5,179,4

5,177.45

Œ	Arna	٠ŧ	Clev	Within	Radius	(Planimeter	Reading)
151	WL AT	U	City	AALTUILL	nauius	(Flaimineter	neaumy

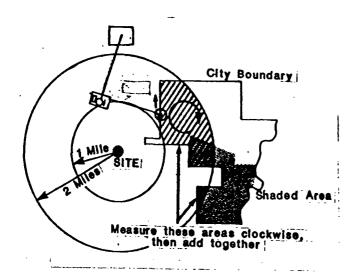
- 6 Population of City Within Radius [5] x 3]
- [7] House Count Within Radius, Outside City
- B Population From House Count [7] x 4]
- [9] Total Population Within Radius [6] +8]

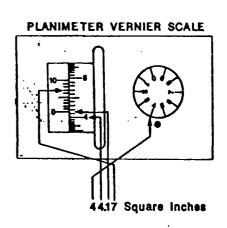
ERROR CHECK:

Area of City Outside 4 miles

	•	smile -	0 333.35
Square	inches	J-4-2-le =	9, 337.35

- Population of City Outside of 4 miles [[] x [3]]
- 2 Population of City $\{\sum \mathbf{6} + \mathbf{6}\}$





T)	Population	of	City	(or	Other	Municipality)
	Opulation	٠.	٠.,		• • • • • • • • • • • • • • • • • • • •	

2,368	People
'	1 a obie

Area of City (Planimeter Reading)

//. 58___Square Inches

Population Density [1]+[2]]

204,49 People per Square Inch

1/4 mile 1/2 mile 1 mile 2 mile

4 Average Persons per House (Census)

Year ___

3 mile 4 mile

8.19

143,14 1,674,77

0.70

- [5] Area of City Within Radius (Planimeter Reading)
- 6 Population of City Within Radius [5 x 3]
- [7] House Count Within Radius, Outside City
- 8 Population From House Count [7 x 4]
- [9] Total Population Within Radius [6] +8]

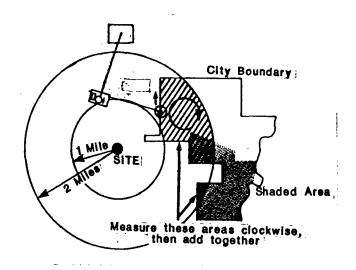
ERROR CHECK:

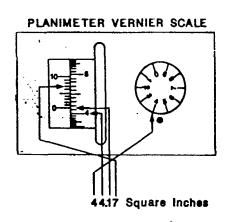
Area of City Outside 4 miles

		14314	1,674.77		
<u> </u>	0-2m	3 and =	1817.9	/	ŀ
_		choo		+ +1= 2	? . '

- Population of City Outside of 4 miles [10 x 3] _____ People
- 2 Population of City [\sum 6 + 11]

_____People = 1





Woodlawn

- 1 Population of City (or Other Municipality)
- 2, 715 People
- Year /780

- [2] Area of City (Planimeter Reading)
- 7,65 Square Inches

3 Population Density [1]+2]

153.82 People per Square inch

4 Average Persons per House (Census)

Year	
------	-------------

- 5 Area of City Within Radius (Planimeter Reading)
- 6 Population of City Within Radius [5x3]
- [7] House Count Within Radius, Outside City
- 8 Population From House Count [7 x 4]
- 9 Total Population Within Radius [6 +8]

ERROR CHECK:

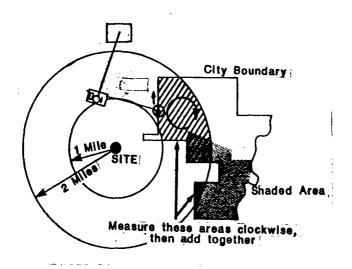
Area of City Outside 4 miles

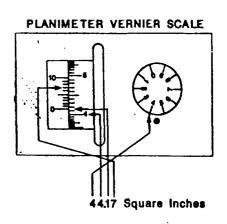
1/4 mile	1/2 mile	1 mile	2 mile	3 mile	4 mile
			6.03	10.97	
			927.53	1,687.41	
			927,53	1,687.41	
		0-2 mila	-,21		

0-3 mile: 2,6/4.94

Square Inches 6-4 mile-total= 2,715.

- Population of City Outside of 4 miles [[] x [3] People
- [2] Population of City [\sum [6] + [1]] People $\stackrel{?}{=}$ [1]





POPULATION CALCULATION SHEET

Spring field Twiship

42,024 People

Year 80

T	Population	of	City	(or	Other	Municipality	y)

Area of City (Planimeter Reading)

126.85	Square	Inches

Population Density [1]+2]

331.29	People	per	Square	Inch

1/4 mile 1/2 mile 1 mile 2 mile 3 mile 4 mile

0-2mil= 92.76

0,28

92.76

4 Average Persons per House (Census)

Year	
------	--

5 Area of City Within Radius (Planimeter Reading)

6	Population	of	City	Within	Radius	[[5] x	3	1
---	------------	----	------	--------	--------	---	-------	---	---

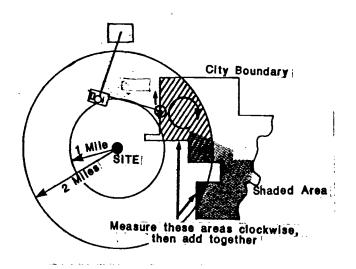
- 7 House Count Within Radius, Outside City
- 8 Population From House Count [7 x 4]
- 9 Total Population Within Radius [6 +8]

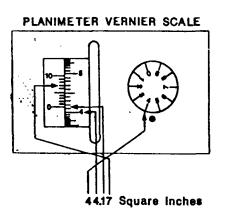
ERROR CHECK:

Area of City Outside 4 miles

Square	nc	hes
--------	----	-----

- People Population of City Outside of 4 miles [[0 x [3]] People
- People = 1 12 Population of City [$\sum 6 + 13$]





7.79

2580.75

92.76 2,580.75

0-3 mil - 2, 673.51

WYOMING Year 1980

1 Population of City (or Other Municipality)

People	8	,282	People
--------	---	------	--------

2 Area of City (Planimeter Reading) 18.60_Square Inches

Population Density [1+2] 3

445, 27 People per Square Inch

Average Persons per House (Census)

Year	

- [5] Area of City Within Radius (Planimeter Reading)
- Population of City Within Radius [5 x 3]
- [7] House Count Within Radius, Outside City
- 8 Population From House Count [7] x 4]
- [9] Total Population Within Radius [6 +8]

ERROR CHECK:

Area of City Outside 4 miles

	,, 2,				
			7.08	8.83	2.69
			315251	3931.73	1197,78
!					
			3/52.51	39.31,73	1197,78
	ı.	-2 mile	2	/	

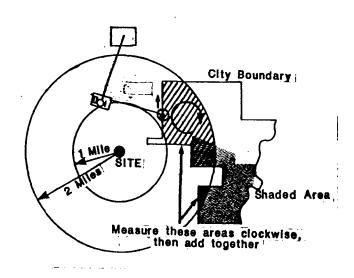
1/4 mile 1/2 mile 1 mile 2 mile 3 mile 4 mile

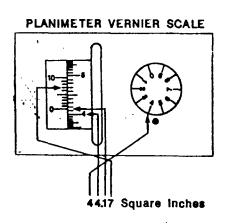
0-3 mle - 7084.24
are Inches 0-4 mile - lotal - 8,282 Square inches

People Population of City Outside of 4 miles [[0] x [3] People

Population of City $[\sum [6] + [1]]$

_ People = 1





Lincoln Hts

TI.	Population	of	City	(or	Other	Municipality
	Opulation	٠.	••••	. •.	• • • • • • • • • • • • • • • • • • • •	

Year	

Area of City (Planimeter Reading)

Population Density [1+2] [3]

4 Average Persons per House (Census)

V	
Year	

- [5] Area of City Within Radius (Planimeter Reading)
- Population of City Within Radius [5] x 3]
- Mouse Count Within Radius, Outside City
- 8 Population From House Count [7 x 4]
- [9] Total Population Within Radius [6] +8]

ERROR CHECK:

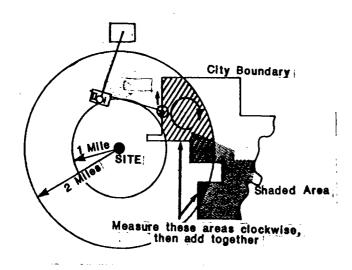
ď	Агеа	of	City	Outside	4	miles
---	------	----	------	---------	---	-------

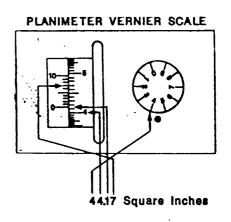
- Population of City Outside of 4 miles [[0 x 3] People
- Population of City [\sum 6] + 11]

1/4 mile	1/2 mile	1 mile	2 mile	3 mile	4 mile
		2.08	3.08		
		2,119.92	3,139.11		
		2,119.92	3,139.1/		

0-1 mile=2,119.92 0-2 mile=kolid=5,259 ____Square Inches

_____People = 1





POPULATION CALCULATION SHEET LOCKLAND Municipality) 4,292 People Year 80

1 Population of City (or Other Municipality)

People	4	,292	People
--------	---	------	--------

[2] Area of City (Planimeter Reading)

8.37	Square	Inches

3 Population Density [1+2]

572.78	People	per	Square	Inch

4 Average Persons per House (Census)

	Year	
--	------	--

1/4 mile 1/2 mile 1 mile 2 mile 3 mile 4 mile

4,02 4,35

2061.38 2230.59

204.38 2230.59

5 Area of City Within Radius (Planimeter Reading)

									_
6	Population	of	City	Within	Radius	[[5] x	3]

- [7] House Count Within Radius, Outside City
- 8 Population From House Count [7 x 4]
- 9 Total Population Within Radius [6 +8]

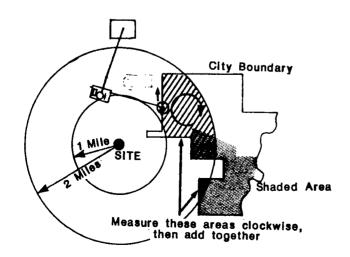
ERROR CHECK:

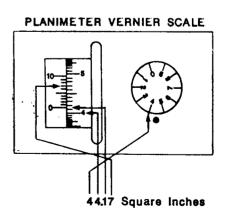
1 mile	ク	
2	I mile = total =	4,292

Square Inches

- Area of City Outside 4 miles
- Population of City Outside of 4 miles [[0] x [3] ______ People
- Population of City $[\sum 6] + [1]$

_____People = 1





1	Population	of	City	(or	Other	Municipality

12,843 F	Peopl
----------	-------

Area of City (Planimeter Reading)

are Inche	8
a	re inche

Population Density [1+2]

635.48				
	People	per	Square	inch

4 Average Persons per House (Census)

 Year	

1/4 mile 1/2 mile 1 mile 2 mile 3 mile 4 mile

5 Area of City Within Radius (Planimeter Reading)

គា	Population	٥f	City	Within	Radius	[5] x [3]	กเ

- [7] House Count Within Radius, Outside City
- 8 Population From House Count [7 x 4]
- 9 Total Population Within Radius [6 +8]

ERROR CHECK:

Area of City Outside 4 miles

11	Population of	City Outsid	e of 4 miles [[7]	1 x [3]) Par	ople
نت	. op a. a	,		7 ~ U , re(שוענ

12 Population of City $[\sum \boxed{6} + \boxed{1}]$

1/4 111116	1/2 111110	1 111116	2 111110	3 111110	7 11110	
		11.61	8.42	0,17		
		7,377.89	5,350,72	/08.03		
		7,379.89	5,350.77	108.03		

2 mile: 12,728.61 _Square Inches
3 mil= 12,836.64
0.05 % enon

People 2 [1]

